

CLAIMS

What is claimed is:

1 A method for increasing ease-of-use and bandwidth utilization in a wireless device
2 capable of accessing a communication network, comprising the steps of:

3 (a) receiving information about the wireless device's environment;

4 (b) using the environment information to determine web sites most likely to be
5 requested; and

6 (c) pushing identifiers of the web sites most likely to be requested to the wireless device
7 for selection by a user.

1 2 The method of claim 1 further including the step of providing geographic location as
2 the environment information.

1 3 The method of claim 1 further including the step of providing local weather as the
2 environment information.

1 4 The method of claim 1 further including the step of providing time and date as the
2 environment information.

1 5 The method of claim 1 further including the step of personalizing which identifiers
2 are pushed based on personalization information.

The method of claim 1 further including the step of providing URLs as the identifiers.

The method of claim 1 further including the step of sending a location specific welcome page (LSWP) to the wireless device for display.

The method of claim 1 further including the step of pushing keyword URLs to the wireless device for speech recognition matching.

9 A system for increasing ease-of-use and bandwidth utilization in a wireless device
capable of accessing a communication network, comprising:
means for receiving information about the wireless device's environment;
means for using the environment information to determine web sites most likely to be
requested; and
means for pushing identifiers of the web sites most likely to be requested to the wireless
device for selection by a user.

The system of claim 9 wherein the environment information comprises geographic location.

The system of claim 9 wherein the environment information comprises local weather.

1 42 The computer-readable medium of claim 39 further including the instruction of
2 pushing keyword URLs to the wireless device for speech recognition matching.

1 43 A method for generating and updating a URL database for providing a location
2 sensitive user interfaces on wireless devices capable of accessing the Internet,
3 comprising the steps of:

- 4 (a) collecting information indicating which URLs are accessed by the wireless devices at
5 what locations and categorizing the URLs according to location;
6 (b) analyzing the information collected for each location for patterns of use; and
7 (c) forming a location URL database from the patterns of use.

1 44 The method of claim 43 further including the step of:

- 2 d) in response to determining a wireless device's geographical location, automatically
3 transmitting URLs to the wireless device that will most likely be of interest to a user
4 at the geographical location.

1 45 The method and claim 43 wherein step (a) further includes the step of:

- 2 (i) collecting information from a carrier servicing the wireless device.

1 46 The method of claim 45 wherein step (a) further includes the step of:

- 2 (ii) categorizing the URLs according to type of location.

1 47 The method of claim 43 wherein step (b) further includes the step of:

2 (i) assigning the URLs most widely accessed in any given location a higher priority.

1 48 The method of claim 43 wherein step (b) further includes the step of analyzing the
2 access patterns according to other factors including at least one of time, weather, user
3 preferences, and patterns of use in similar locations.

1 49 The method of claim 43 wherein step (b) further includes the step of performing the
2 pattern of use analysis in real-time.

1 50 The method of claim 43 wherein step (c) further includes the step of using the patterns of
2 use to update and query the location URL database.

1 51 A system for providing a location sensitive user interface to wireless devices,
2 comprising:
3 a communication network;
4 a service provider;
5 a plurality of wireless devices in communication with the communication network through
6 the service provider;
7 a location URL database; and
8 a server in communication with the communication network for generating and updating the
9 location URL database by:
10 collecting information from the wireless devices indicating which URLs are accessed from
11 the wireless devices at what locations and categorizing the URLs according to

12 location,
13 analyzing the information collected for each location for patterns of use, and
14 forming a location URL database from the patterns of use.

1 52 The system of claim 51 wherein the server automatically transmits URLs to each of
2 the wireless devices that will most likely be of interest to a user at a geographic
3 location of each respective device.

1 53 The system of claim 52 wherein the location information is collected from service
2 provider of each of the wireless devices.

1 54 The system of claim 52 wherein the server categorizes the URLs according to type of
2 location.

1 55 The system of claim 52 wherein the server assigns the URLs most widely accessed
2 in any given location a higher priority.

1 56 The system of claim 51 wherein the server analyzes the access patterns according to
2 other factors including at least one of time, weather, user preferences, and patterns of
3 use in similar locations.

1 57 The system of claim 51 wherein the server performs the pattern of use analysis in
2 real-time.

